

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-6. (Canceled)

7. (Currently Amended) An artificial vision system comprising:

an external device adapted to be disposed outside a body of a patient, the external device including:

an image pickup device ~~which captures~~ configured to capture an image in front of the patient; and

an image processing device ~~which generates~~ configured to generate a signal for stimulation pulse by processing the image captured by the image pickup device; and

an internal device adapted to be implanted in the body, the internal device including:

a receiving device ~~which receives~~ configured to receive the signal for stimulation pulse and ~~converts it~~ configured to convert the signal for stimulation pulse into an electrical stimulation pulse signal, ~~the receiving device being adapted to be implanted under a skin of a temporal part of the patient in a position away from an eye of the patient;~~

a plurality of electrodes each of which ~~outputs~~ is configured to output the electrical stimulation pulse signal, has a needle-shaped end and is adapted to be implanted in the eye so as to stick in a bundle of nerve fibers of an optic papilla of the eye, the electrodes being separately placed so that each electrode individually sticks in the optic papilla, each electrode having a predetermined length for placing its end in an optic nerve of the eye when the electrode is stuck in the optic papilla; and

a plurality of signal wires which individually connects each electrode and the receiving device, the signal wires each being covered with an insulating material with high biocompatibility and having a length enough to reach each electrode stuck in the optic papilla from outside to inside of the eye; and

a ~~foldable tube for bundling~~ configured to bundle the plurality of signal wires together into one,

wherein the electrodes after being stuck in the optic papilla outputs the electric stimulation pulse signal based on the signal for stimulation pulse which is generated based on the image captured by the image pickup device to stimulate the optic nerve, thereby enabling the patient to recognize the image captured by the image pickup device.

8-12. (Canceled)